

REMARKS

Claims 1 and 6 are currently amended. Claims 1-25 are pending in this application.

In the Final Office Action issued mailed on February 10, 2003 and in an Advisory Action mailed April 23, 2003, the Examiner rejected Claims 1-25 under 35 U.S.C. 102 as being unpatentable over the National LM2637 reference. A 102 rejection requires that an art reference teach each element of a claim either explicitly or inherently. Applicant respectfully traverses the Examiners rejection, reasserting the arguments put forth in the prior responses to the Examiner's Office Actions and by further amendments and arguments put forth below in this response.

Claim 1

In regard to independent Claim 1, Claim 1 has been amended to further clarify the scope of the coverage of the claim. Claim 1 includes the element "means for delaying connection of the first primary and secondary primary power voltages to the controlled voltage power outputs for a selected delay time after the first primary power voltage reaches the reference threshold level." As amended, Claim 1 further includes the element "means for initiating a soft start after the selected delay time has expired." The National LM2637 reference does not teach either of the elements "means for delaying connection of the first primary and secondary primary power voltages to the controlled voltage power outputs for a selected delay time after the first primary power voltage reaches the reference threshold level" nor "means for initiating a soft start after the selected delay time has expired," as is disclosed and claimed in Claim 1 of the present application. Besides the differences between the National LM2637 reference set out in the prior responses, the National LM2637 reference monitors one input rail until it reaches a given threshold then immediately starts a soft-start ramp. See, page 8, Paragraph entitled "Start Up" of the National LM2637 reference. This is different than what has been disclosed and claimed in the present application. That is, unlike the invention disclosed in the present application, the input-output interactions disclosed in the National LM2637 are not delayed a select time following an input exceeding a set threshold. The present application discloses and claims an invention that delays the input-output interaction by a select delay time to insure inputs are

stabilized before they interact with the outputs. Accordingly, Applicant respectfully requests the withdrawal of the rejection of Claim 1 under 35 U.S.C. § 102.

Since, dependant Claims 2-5 depend from and further define patentably distinct Claim 1, Applicant believes these claims are also allowable and respectfully requests the withdrawal of the rejections of Claims 2-5. Moreover, since it is believed that the dependant claims are allowable for the above reasons other arguments have not been put forth at this time for their allowance. However, Applicant retains the right to address said rejections in a subsequent response if one is necessary.

Claim 6

In regard to independent Claim 6, Claim 6 has been amended to further clarify the scope of the coverage of the claim. Claim 6 includes the element “means for delaying connection of the controlled power output voltages to the computer for a selected delay time after the first primary power voltage reaches the reference threshold level, wherein the selected time delay insures the power output voltages are stabilized.” The National LM2637 reference does not teach a “means for delaying connection of the controlled power output voltages to the computer for a selected delay time after the first primary power voltage reaches the reference threshold level, wherein the selected time delay insures the power output voltages are stabilized,” as is disclosed and Claimed in Claim 6 of the present application. As described in the current application, the stabilization of the inputs are achieved with the selected time delay. Having, the inputs stabilized allows for the “means for controlling the received power voltages to generate controlled voltage outputs” as is disclosed in the present application (An example of this is illustrated in Figure 3). Also refer to Page 6, lines, 10-14 of the present application. This is not what is taught by the National LM2637 reference. Please refer to Figure 2, and Page 9, Paragraph on Start Up of the National LM2637 patent. Accordingly, Applicant respectfully requests the withdrawal of the rejection of Claim 6 under 35 U.S.C. § 102.

Since, dependant Claims 7-10 depend from and further define patentably distinct Claim 6, Applicant believes these claims are also allowable and respectfully requests the withdrawal of the rejections of Claims 7-10. Moreover, since it is believed that the dependant claims are allowable

for the above reasons other arguments have not been put forth at this time for their allowance. However, Applicant retains the right to address said rejections in a subsequent response if one is necessary.

Claim 11

In regards to independent Claim 11, Claim 11 includes the element “delaying connection of the power supply controlled voltage power outputs for a selected delay time after the first primary power output voltage reaches the reference threshold level.” The National LM2637 reference does not teach “delaying connection of the power supply controlled voltage power outputs for a selected delay time after the first primary power output voltage reaches the reference threshold level,” as is disclosed and claimed in Claim 11 of the present application. In particular, unlike the invention disclosed in the present application, the input-output interactions disclosed in the National LM2637 are not delayed a select time following the first primary output voltage exceeding a set threshold. The present application discloses and claims an invention that delays the input-output interaction by a select delay time to insure inputs are stabilized before they interact with the outputs. Accordingly, Applicant respectfully requests the withdrawal of the rejection of Claim 11 under 35 U.S.C. § 102.

Since, dependant Claims 12-15 depend from and further define patentably distinct Claim 11, Applicant believes these claims are also allowable and respectfully requests the withdrawal of the rejections of Claims 12-15. Moreover, since it is believed that the dependant claims are allowable for the above reasons other arguments have not been put forth at this time for their allowance. However, Applicant retains the right to address said rejections in a subsequent response if one is necessary.

Claim 16

In regards to independent Claim 16, Claim 16 includes the element “a time delay circuit adapted to delay an output of the one or more secondary primary voltages by a select period of time once the first primary voltage equals or exceeds the reference voltage.” The National LM2637 reference does not teach “a time delay circuit adapted to delay an output of the one or

more secondary primary voltages by a select period of time once the first primary voltage equals or exceeds the reference voltage,” as is disclosed and claimed in Claim 16 of the present application. Applicant traverses the Examiner’s assertion that a time delay circuit is inherent. Nothing in the National LM2637 reference teaches a time delay circuit as is disclosed and claimed in Claim 16. Accordingly, Applicant respectfully requests the withdrawal of the rejection of Claim 16 under 35 U.S.C. § 102.

Since, dependant Claims 17-20 depend from and further define patentably distinct Claim 16, Applicant believes these claims are also allowable and respectfully requests the withdrawal of the rejections of Claims 17-20. Moreover, since it is believed that the dependant claims are allowable for the above reasons other arguments have not been put forth at this time for their allowance. However, Applicant retains the right to address said rejections in a subsequent response if one is necessary.

Claim 21

In regards to independent Claim 21, Claim 21 includes the element “a time delay circuit adapted to delay the coupling of the two or more voltages to the outputs for a select period of time after the comparator has sensed the one voltage received on the first input equals or exceeds the reference voltage.” The National LM2637 reference does not teach “a time delay circuit adapted to delay the coupling of the two or more voltages to the outputs for a select period of time after the comparator has sensed the one voltage received on the first input equals or exceeds the reference voltage,” as is disclosed and claimed in Claim 21 of the present application. Applicant traverses the Examiner’s assertion that a time delay circuit is found in the National LM2637 reference. Nothing in the National LM2637 reference teaches a time delay circuit as is disclosed and claimed in Claim 21. Accordingly, Applicant respectfully requests the withdrawal of the rejection of Claim 21 under 35 U.S.C. § 102.

Since, dependant Claims 22-25 depend from and further define patentably distinct Claim 21, Applicant believes these claims are also allowable and respectfully requests the withdrawal of the rejections of Claims 22-25. Moreover, since it is believed that the dependant claims are

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allowable for the above reasons other arguments have not been put forth at this time for their allowance. However, Applicant retains the right to address said rejections in a subsequent response if one is necessary.

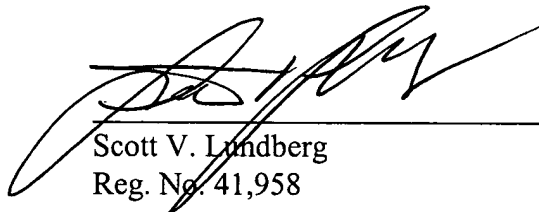
CONCLUSION

Applicant respectfully submits that Claims 1-25 are in condition for allowance and notification to that effect is earnestly requested. If the Examiner has any questions or concerns regarding this application, please contact the undersigned at (612) 332-4720.

If necessary, please charge and additional fees or credit overpayment to Deposit Account No. 502432.

Respectfully submitted,

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